

CLAIMS

What is desired to be covered by Letters Patent is as follows:

1. A radiator cap comprising:
 - a) a body that adapted to fit over a filling conduit of a radiator used in a fluid cooling circuit of an internal combustion engine, said body including
 - (1) a first surface that is an outside surface when said body is in a use position on the filling conduit of the radiator,
 - (2) a second surface that is an inside surface when said body is in a use position on the filling conduit of the radiator, and
 - (3) a skirt that is adapted to engage the filling conduit to hold said body in place on the filling conduit;
 - b) a water level readout window in said body;
 - c) an LED signal generator on said body;
 - d) a reset button on said body;
 - e) an audible alarm signal generator on said body, said audible alarm signal generator having a speaker mounted on said body; and
 - f) an electrical circuit electrically connected to

said LED signal generator and to said LED signal generator and to said reset button and to said audible alarm signal generator and including a level sensing circuit that is adapted to sense the level of fluid in the radiator and which will generate a signal associated with the level of fluid in the radiator, the signal being sent to said water level readout window and to said LED signal generator and to said audible alarm to activate said water level readout window and said LED signal generator and said audible alarm when fluid conditions in the radiator reach pre-set levels.

2. A radiator cap comprising:

- a) a body;
- b) a water level readout window in said body;
- c) an LED signal generator on said body;
- d) a reset button on said body;
- e) an audible alarm signal generator on said body, said audible alarm signal generator having a speaker mounted on said body; and
- f) an electrical circuit electrically connected to said LED signal generator and to said LED signal

generator and to said reset button and to said audible alarm signal generator and including a level sensing circuit that is adapted to sense the level of fluid in the radiator and which will generate a signal associated with the level of fluid in the radiator, the signal being sent to said water level readout window and to said LED signal generator and to said audible alarm to activate said water level readout window and said LED signal generator and said audible alarm when fluid conditions in the radiator reach pre-set levels.